



## Construction and Traffic Update



**Board of Directors Meeting**  
January 24, 2018





# Guideway



## West Oahu-Farrington Guideway (Kapolei to Pearl Highlands)

- WOFG is 99.6 % complete.
- Punchlist work continues with 23 items remaining.
- Ongoing discussions with the Contractor to conclude work and settle commercial matters.



## Kamehameha Highway Guideway (Pearl Highlands to Stadium)

- KHG is 99.9% complete. Restoration of highway medians and Traffic Signal upgrades at several intersections are complete.
- Punchlist work continues with 254 items remaining.
- Ongoing discussions with the Contractor to conclude work and settle commercial matters.





## Kamehameha Highway Paving

- Civil work descoped from KHG Contract.
- Scope includes paving, striping, sidewalks, guardrail, utilities and street appurtenances.
- Design plans include repackaging of construction plans from the KIWC as built, with applicable specifications and construction estimates for roadway and civil work along Kamehameha Highway.
- Interim solution in development for paving and striping by the end of 31 Jan 2018.

## H2R2

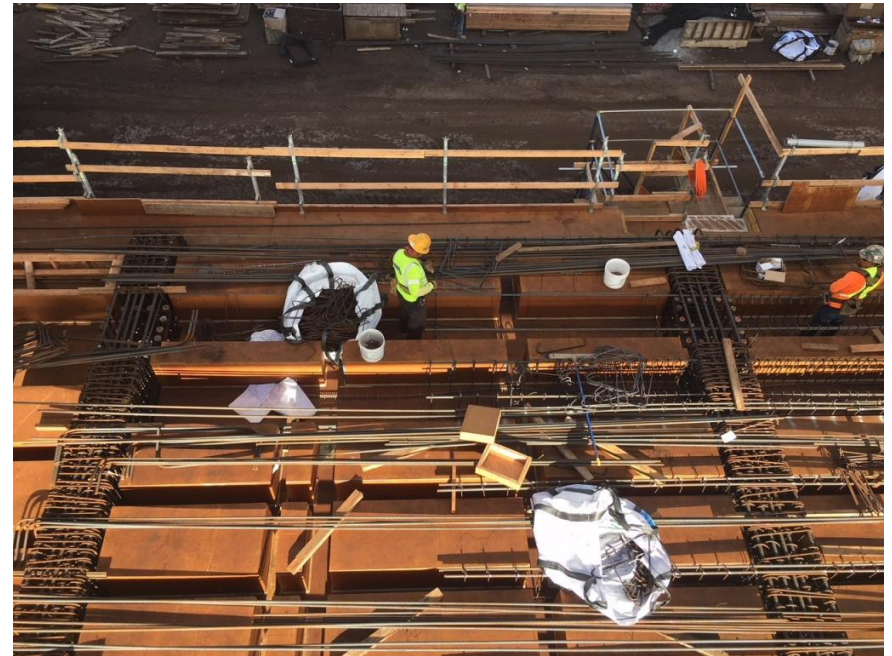
- 99% complete.
- Foundation work ongoing.
- Guard rail installation scheduled for 29 Jan 2018.
- Forecast substantial completion – 31 Jan 2018.

# West Oahu Stations Group

41% Complete

Contract Completion: March '18; Anticipated to be June '19

## East Kapolei (Kualaka'i) Station



- Concrete placed for bottom slab of center platform.
- Concourse level reinforcement being installed and poured.
- Center Platform reinforcing for walls being installed.



# West Oahu Stations Group

41% Complete

Contract Completion: March '18; Anticipated to be June '19

## UH-West O'ahu (Keone'ae) Station



- Preparation for Post Tensioning of both box girders underway.
- Roadside Box Girder structural slab reinforcement underway.
- CMU Block Wall being installed at West Entrance Building.

# West Oahu Stations Group

41% Complete

Contract Completion: March '18; Anticipated to be June '19

## Ho'opili (Honouliuli) Station



- Elevator shafts #1 and #2 preparation for intermittent landing pours.
- Conduit installation from TCCR/UPS and Ancillary room to guideway underway.
- Stairs from landing installed to guideway deck and faregate entrance slab grading.



# Farrington Highway Stations Group

**53% Complete**

**Contract Completion: January 2018; Anticipated: February 2019**

## West Loch (Ho'ae'ae) Station



- Preparation of Kiss-and-Ride lot and roadway in progress.
- Continuing conduit rough-in for pedestrian bridge and station.
- TPSS scheduled for delivery on site – 27 Jan 2018.



# Farrington Highway Stations Group

## 53% Complete

Contract Completion: January 2018; Anticipated: February 2019

### Waipahu Transit Center (Pouhala) Station



- Installation of underground utilities and retaining wall foundation ongoing.
- Installing reinforcing steel for various (grade beam, retaining wall, pier platform.)
- Completing platform guideway steps – Mauka side.

# Farrington Highway Stations Group

**53% Complete**

**Contract Completion: January 2018; Anticipated: February 2019**

## Leeward Community College (Halaulani) Station



- Completed installation of tunnel entrance skylight.
- Placed concrete and stripped forms for TCCR parapet walls.
- Continue final grading and curb installations.



# Kamehameha Highway Stations

## 17.8% Complete

Contract Completion: May 2019; Anticipated: August 2019

### Pearl Highlands (Waiawa) Station



- Completed beam and outrigger pour in Area 3.
- Poured Area 4 primary beams.
- Commenced installation of falsework in Areas 5, 6 and 7.

# Kamehameha Highway Stations

## 17.8% Complete

Contract Completion: May 2019; Anticipated: August 2019

### Pearlridge (Pu'uloa) Station



- Commenced drill shaft installation on the Makai site.
- 48 out of 66 shafts have been poured on the Makai site to date.



# Kamehameha Highway Stations

**17.8% Complete**

Contract Completion: May 2019; Anticipated: August 2019

## Aloha Stadium (Halawa) Station



- Completed drain line-J installation and continuing remaining site drainage installation.
- Completed mass grading activities.
- Curb, gutter and fine grading activities completed at south parking lot.
- Discovered underground storage tank removed per approved UST Removal Management Plan.

# Station Progress Schedules

	2017												2018												2019													
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D		
Ho'opili	15	15	15	26	26	26	26	26	26	35	42	47																										
UH West Oahu	12	12	12	12	22	22	22	22	28	34	37	43																										
East Kapolei	7	7	7	18	18	18	18	18	19	24	26	33																										
West Loch	11	22	22	27	31	36	45	45	49	55	62	65																										
Waipahu Station	0	0	2	9	16	22	29	29	32	42	46	48																										
LCC Station	0	0.1	5	6	7	9	9	9	10	18	26	30																										
Pearl Highlands	4	5	6	7	9	19	2	23	24	26	32	36																										
Pearlridge	0.5	2	2	2	3	4	4	4	4	4	4	7																										
Aloha Stadium	0	0	0	0	0	0	0	0	0.2	0.8	2	3																										
Note: Numbers above are percentages complete for station group contracts and are based on payments or earned value to date of the contract value.																																						





## Maintenance and Storage Facility

- MSF is 99.9% complete.
- Safety/Security Certification is pending for the seismic certification of the OSB computer room air conditioners.

## University of Hawaii Park and Ride – Road “B”

- Awarded to Nan, Inc.  
NTP December 15, 2017

# Core System Status



## MSF Yard

MSF Yard Systems is over 85% complete & installation is expected to be complete in Mar, 2018.

## MSF Buildings

MSF Building Systems is over 75% complete & installation is expected to be complete in Jun, 2018.



## Manufacturing

All Signal, TES, and SCADA systems are ready for delivery for Segment 1.

Factory Platform Screen Gates (PSG) testing was completed in Dec, 2017. PSG's manufacturing has commenced.

Communication equipment for the MSF, West Loch, Ho'opili, and UHWO stations are on-island and equipment for the other six stations is scheduled for delivery later this year as the station platforms become available.

## Testing

Dynamic brake and acceleration train testing is ongoing and is expected to be complete in May, 2018.

Functional testing of the interfaces between the vehicle & wayside equipment is expected to begin in late 2018.



# Airport Guideway and Stations

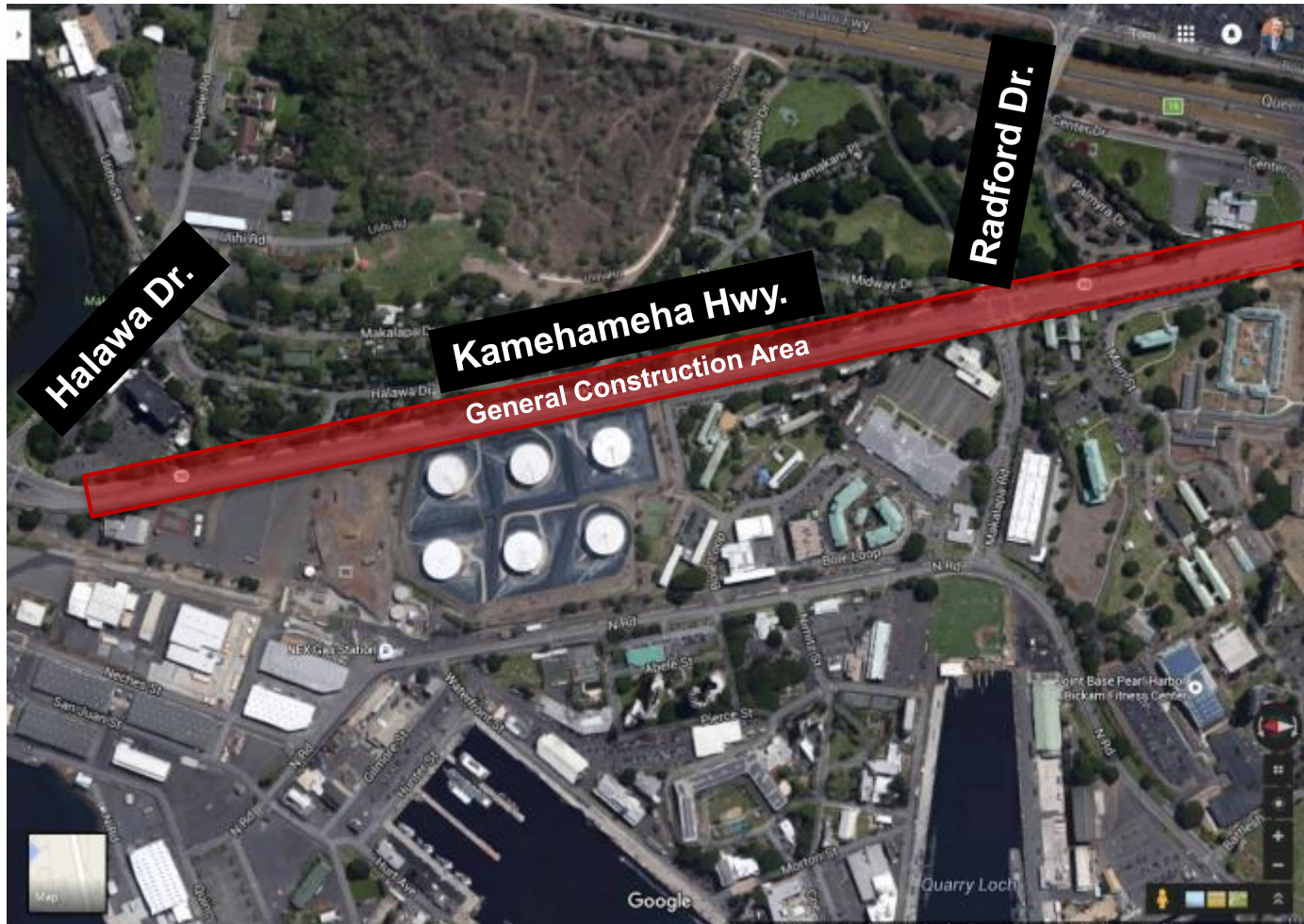
**17.4% Complete**

**Contract Completion: May 2021**



- 19 Shafts have been drilled and poured. One column has been placed.
- K-rails and Drill rig pads are proactively installed to allow foundation work to continue smoothly.
- Prep for Reach B foundation work commenced.
- Commenced electrical work at Radford Drive and Arizona Memorial Place.

# Kamehameha Highway



Various day and night time lane closures for utility relocation work and drilled shafts through end of the year.



# Stay Connected

- Weekly Traffic Advisories
- Weekly e-Blast
- Website and Social Media
- Public Access Television Program



## HART Rapid Response:

- 24-Hour Project Hotline number 808-566-2299
- Email Inquiries: [info@HonoluluTransit.org](mailto:info@HonoluluTransit.org)
- Website Inquiries

*Mahalo!*